ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

ಯಲಹಂಕ ವಲಯ, ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
(ಯೋಜನಾ ವಿಭಾಗ, ಯಲಹಂಕ)

Name of Work : Package-5 (1) Improvements of Road Adjacent to Yelahanka Lake from Kenchenahalli to Chowdeshwari Temple in Ward No.02 (2) Improvements and Asphalting to New post office main road and cross roads in ward No. 01 (3) Improvements and Asphalting to Sugappa layout cross roads in ward No. 01 (4) Improvements and Asphalting to Shanimahathma swamy temple road and Surabhi layout 2nd main and cross roads in ward No. 01 (5) Asphalting to Balance roads in A & B sector of Yelhanka New Town in Ward No. 04

EMB

THIRD AND FINAL BILL

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Name of Work : Package-5 (1) Improvements of Road Adjacent to Yelahanka Lake from Kenchenahalli to Chowdeshwari Temple in Ward No.02 (2) Improvements and Asphalting to New post office main road and cross roads in ward No. 01 (3) Improvements and Asphalting to Sugappa layout cross roads in ward No. 01 (4) Improvements and Asphalting to Shanimahathma swamy temple road and Surabhi layout 2nd main and cross roads in ward No. 01 (5) Asphalting to Balance roads in A & B sector of Yelhanka New Town in Ward No. 04

PRE-MEASUREMENT SHEETS

THIRD AND FINAL BILL

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(1)

BRUHAT BANGLORE MAHANAGARA PALIKE
YALAHANKA ZONE, BANGLORE
MEASUREMENT SHEET
RA 2ND AND PART BILL

Name of Work : Package-5 (1) Improvements of Road Adjacent to Yelahanka Lake from Kenchenahalli to Chowdeshwari Temple in Ward No.02 (2) Improvements and Asphalting to New post office main road and cross roads in ward No. 01 (3) Improvements and Asphalting to Sugappa layout cross roads in ward No. 01 (4) Improvements and Asphalting to Shanimahathma swamy temple road and Surabhi layout 2nd main and cross roads in ward No. 01 (5) Asphalting to Balance roads in A & B sector of Yelhanka New Town in Ward No. 04

Estimate Cost:	:	:465.00 Lakhs
Head of Account:		3158 (SIP)
Sanction No		Job No: 002-17-000059
Tender Amount		Rs.4.81,10,000/-
Tender Period		6 Months
Reference to Agreement No:		EE(Project)/YNK Zone/WO/202/2017-18 Dated: 23-03-2018
Name of Contractor and full Address:		Sri R. Lokesh, Bangalore
Date of Commencement as per agreement		3/23/2018
Date of Completion as per agreement		9/22/2018 /10/03/2025

Detailed Measurements

Measurement Recorded On: 06-10-2022

Item No:40

Loading and Unloading of Stone Boulder/Stone aggregates/ Sand/Kankar/Moorum including all lead and lift, transportation etc, complete as per Engineer incharge.

Nos	Chainage	Length	Width	Depth	Qty
1		2	3	4	5
			Existing Concrete road		
1	0.00	0.00	8.80 + 8.80 / 2.00	0.30	0.00
1	13.90	13.90	8.80 + 8.30 / 2.00	0.30	35.65
Deck slab at Ch 0.05					
1	36.10	20.00	10.00 + 8.40 / 2.00	0.30	55.20
1	51.10	15.00	8.40 + 9.20 / 2.00	0.30	39.60
1	66.10	15.00	9.20 + 9.00 / 2.00	0.30	40.95
1	76.10	10.00	9.00 + 11.30 / 2.00	0.30	30.45
1	91.10	15.00	11.30 + 9.90 / 2.00	0.30	47.70
1	106.10	15.00	9.90 + 7.30 / 2.00	0.30	38.70

6/10/2022

Assistant Executive Engineer

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CF 290.89 (2)

Nos	Chainage	Length	Width			Depth	Qty
1	116.10	10.00	7.30	+	8.85	0.30	24.23
			2.00				
1	136.10	20.00	8.85	+	7.90	0.30	50.25
			2.00				
1	156.10	20.00	7.90	+	7.30	0.30	45.60
			2.00				
1	176.10	20.00	7.30	+	7.50	0.30	44.40
			2.00				
1	196.10	20.00	7.50	+	7.90	0.30	46.20
			2.00				
1	206.10	10.00	7.90	+	8.70	0.30	24.90
			2.00				
1	226.10	20.00	8.70	+	8.60	0.30	51.90
			2.00				
1	246.10	20.00	8.60	+	7.85	0.30	49.35
			2.00				
1	266.10	20.00	7.85	+	9.50	0.30	52.05
			2.00				
1	286.10	20.00	9.50	+	9.50	0.30	57.00
			2.00				
1	306.10	20.00	9.50	+	10.00	0.30	58.50
			2.00				
1	326.10	20.00	10.00	+	9.75	0.30	59.25
			2.00				
1	346.10	20.00	9.75	+	9.65	0.30	58.20
			2.00				
1	366.10	20.00	9.65	+	9.80	0.30	58.35
			2.00				
1	386.10	20.00	9.80	+	9.55	0.30	58.05
			2.00				
1	406.10	20.00	9.55	+	9.45	0.30	57.00
			2.00				
1	426.10	20.00	9.45	+	9.70	0.30	57.45
			2.00				
1	446.10	20.00	9.70	+	9.90	0.30	58.80
			2.00				
1	466.10	20.00	9.90	+	8.80	0.30	56.10
			2.00				
1	486.10	20.00	8.80	+	9.95	0.30	56.25
			2.00				
1	501.10	15.00	9.95	+	9.50	0.30	43.76
			2.00				
1	521.10	20.00	9.50	+	9.60	0.30	57.30
			2.00				

06/10/2022

Core Technologies Private Limited Mecadez

Asst. Executive Engineer

6/10/22

1H15.78

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GF 1415.38 (3)

Nos	Chainage	Length	Width	Depth	Qty
1	547.20	26.10	9.60 + 8.70 / 2.00	0.30	71.64
1	712.20	165.00	Gap		
1	732.20	20.00	8.40 + 9.10 / 2.00	0.30	52.50
1	752.20	20.00	9.10 + 8.20 / 2.00	0.30	51.90
1	772.20	20.00	8.20 + 8.35 / 2.00	0.30	49.65
1	787.20	15.00	8.35 + 8.70 / 2.00	0.30	38.36
1	802.20	15.00	8.70 + 9.85 / 2.00	0.30	41.74
1	812.20	10.00	9.85 + 8.60 / 2.00	0.30	27.68
1	832.20	20.00	8.60 + 9.00 / 2.00	0.30	52.80
1	852.20	20.00	9.00 + 8.75 / 2.00	0.30	53.25
1	872.20	20.00	8.75 + 9.00 / 2.00	0.30	53.25
1	892.20	20.00	9.00 + 9.00 / 2.00	0.30	54.00
1	912.20	20.00	9.00 + 9.10 / 2.00	0.30	54.30
1	932.20	20.00	9.00 + 9.00 / 2.00	0.30	54.00
1	954.90	22.70	9.00 + 9.00 / 2.00	0.30	61.29
			Total		2129.501

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Macadez Core Technologies Private Limited
MACADEZ
PMC

Contractor

Assistant Engineer 06/10/2022
Project Division Yelahanka

Asst. Executive Engineer
Project Division Yelahanka

Scanned by TapScanner

Name of Work : Package-5 (1) Improvements of Road Adjacent to Yelahanka Lake from Kenchenahalli to Chowdeshwari Temple in Ward No.02 (2) Improvements and Asphalting to New post office main road and cross roads in ward No. 01 (3) Improvements and Asphalting to Sugappa layout cross roads in ward No. 01 (4) Improvements and Asphalting to Shanimahathma swamy temple road and Surabhi layout 2nd main and cross roads in ward No. 01 (5) Asphalting to Balance roads in A & B sector of Yelhanka New Town in Ward No. 04

Detailed Measurements

Measurement Recorded On: 06/10/2022

Item No:41

Cost of Haulage Excluding Loading and Unloading Taking output 10 t load and lead 10 km = 100 t.km (V-III Page No.3, Item No.1.4 A of PWD SR 2021-22) Lead 8 Km

Nos	Chainage	Length	Width	Depth	Qty
1		2	3	4	5
	0.00		Existing Concrete road		
1	41.00	0.00	8.80 + 8.80 / 2.00	0.30	0.00 2.04
1	54.90	13.90	8.80 + 8.30 / 2.00	0.30	35.65
Deck slab at Ch 0.05					
1	77.10	20.00	10.00 + 8.40 / 2.00	0.30	55.20
1	92.10	15.00	8.40 + 9.20 / 2.00	0.30	39.60
1	107.10	15.00	9.20 + 9.00 / 2.00	0.30	40.95
1	117.10	10.00	9.00 + 11.30 / 2.00	0.30	30.45
1	132.10	15.00	11.30 + 9.90 / 2.00	0.30	47.70
1	147.10	15.00	9.90 + 7.30 / 2.00	0.30	38.70
1	157.10	10.00	7.30 + 8.85 / 2.00	0.30	24.23
1	177.10	20.00	8.85 + 7.90 / 2.00	0.30	50.25
1	197.10	20.00	7.90 + 7.30 / 2.00	0.30	45.60
1	217.10	20.00	7.30 + 7.50 / 2.00	0.30	44.40
1	237.10	20.00	7.50 + 7.90 / 2.00	0.30	46.20
1	247.10	10.00	7.90 + 8.70 / 2.00	0.30	24.90

6/10/2022

Asst. Executive Engineer
Project Division

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Nos	Chainage	Length	Width	Depth	Qty
1	267.10	20.00	8.70 + 8.60 / 2.00	0.30	51.90
1	287.10	20.00	8.60 + 7.85 / 2.00	0.30	49.35
1	307.10	20.00	7.85 + 9.50 / 2.00	0.30	52.05
1	327.10	20.00	9.50 + 9.50 / 2.00	0.30	57.00
1	347.10	20.00	9.50 + 10.00 / 2.00	0.30	58.50
1	367.10	20.00	10.00 + 9.75 / 2.00	0.30	59.25
1	387.10	20.00	9.75 + 9.65 / 2.00	0.30	58.20
1	407.10	20.00	9.65 + 9.80 / 2.00	0.30	58.35
1	427.10	20.00	9.80 + 9.55 / 2.00	0.30	58.05
1	447.10	20.00	9.55 + 9.45 / 2.00	0.30	57.00
1	467.10	20.00	9.45 + 9.70 / 2.00	0.30	57.45
1	487.10	20.00	9.70 + 9.90 / 2.00	0.30	58.80
1	507.10	20.00	9.90 + 8.80 / 2.00	0.30	56.10
1	527.10	20.00	8.80 + 9.95 / 2.00	0.30	56.25
1	542.10	15.00	9.95 + 9.50 / 2.00	0.30	43.76
1	562.10	20.00	9.50 + 9.60 / 2.00	0.30	57.30
1	588.20	26.10	9.60 + 8.70 / 2.00	0.30	71.64
1	753.20	165.00	Gap		
1	773.20	20.00	8.40 + 9.10 / 2.00	0.30	52.50
1	793.20	20.00	9.10 + 8.20 / 2.00	0.30	51.90
1	813.20	20.00	8.20 + 8.35 / 2.00	0.30	49.65
1	828.20	15.00	8.35 + 8.70 / 2.00	0.30	38.36

6/10/2022

Asst. Executive Engineer
Project Division
Zone

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Nos	Chainage	Length	Width	Depth	Qty
1	843.20	15.00	8.70 + 9.85 / 2.00	0.30	41.74
1	853.20	10.00	9.85 + 8.60 / 2.00	0.30	27.68
1	873.20	20.00	8.60 + 9.00 / 2.00	0.30	52.80
1	893.20	20.00	9.00 + 8.75 / 2.00	0.30	53.25
1	913.20	20.00	8.75 + 9.00 / 2.00	0.30	53.25
1	933.20	20.00	9.00 + 9.00 / 2.00	0.30	54.00
1	953.20	20.00	9.00 + 9.10 / 2.00	0.30	54.30
1	973.20	20.00	9.00 + 9.00 / 2.00	0.30	54.00
1	995.90	22.70	9.00 + 9.00 / 2.00	0.30	61.29
				Total	2129.501

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Macadez Core Technologies Private Limited

PMC

Assistant Engineer 6/10/2022
Project Division Yelahanka

Contractor

Asst. Executive Engineer
Project Division Yelahanka

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(7)

Name of Work : Package-5 (1) Improvements of Road Adjacent to Yelahanka Lake from Kenchenahalli to Chowdeshwari Temple in Ward No.02 (2) Improvements and Asphalting to New post office main road and cross roads in ward No. 01 (3) Improvements and Asphalting to Sugappa layout cross roads in ward No. 01 (4) Improvements and Asphalting to Shanimahathma swamy temple road and Surabhi layout 2nd main and cross roads in ward No. 01 (5) Asphalting to Balance roads in A & B sector of Yelhanka New Town in Ward No. 04

Detailed Measurements

Measurement Recorded On:

Item No:07

Dismantling of existing structure like Culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T & P and scaffolding whereever necessary, sorting the dismantled material, disposal of unserviceble material and stacking the serviceble material and stacking the serviceble material with all lifts complete with all lifts complete as per specifications. C prestressed / Reinforced cement concrete grade M-20 & above

	Description	Nos	L	W	D	Quantity
	At Ch 1015.00	1	24.00	2.20	0.15	7.92
		1	28.00	2.20	0.15	9.24
	C & PC Standard	1	10.00	2.20	0.15	3.30
		1	30.00	2.20	0.15	9.90
					Total	**30.36**

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore - 92

BPMC

Contractor

Assistant Engineer
Project Division Yelahanka

06/10/2022

Asst. Executive Engineer
Project Division Yelahanka

Scanned by TapScanner

(8)

Name of Work : Package-5 (1) Improvements of Road Adjacent to Yelahanka Lake from Kenchenahalli to Chowdeshwari Temple in Ward No.02 (2) Improvements and Asphalting to New post office main road and cross roads in ward No. 01 (3) Improvements and Asphalting to Sugappa layout cross roads in ward No. 01 (4) Improvements and Asphalting to Shanimahathma swamy temple road and Surabhi layout 2nd main and cross roads in ward No. 01 (5) Asphalting to Balance roads in A & B sector of Yelhanka New Town in Ward No.

Detailed Measurements

Measurement Recorded On: 10/10/2022

Item No:11

KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications.

Description	Nos	L	W	D	Quantity
LHS	1	16.70	1.40	1.40	32.73
	1	30.00	1.40	1.40	58.80
	1	21.45	1.40	1.40	42.04
RHS	1	30.00	1.20	0.90	32.40
	1	4.00	1.20	0.90	4.32
				Total	**170.29**

Asst. Executive Engineer
Project Division
BBMP, Yelahanka Zone
Bangalore - 92

PMC

Contractor

Assistant Engineer 10/10/2022
Project Division Yelahanka

Asst. Executive Engineer
Project Division Yelahanka

Scanned by TapScanner

(9)

Name of Work : Package-5 (1) Improvements of Road Adjacent to Yelahanka Lake from Kenchenahalli to Chowdeshwari Temple in Ward No.02 (2) Improvements and Asphalting to New post office main road and cross roads in ward No. 01 (3) Improvements and Asphalting to Sugappa layout cross roads in ward No. 01 (4) Improvements and Asphalting to Shanimahathma swamy temple road and Surabhi layout 2nd main and cross roads in ward No. 01 (5) Asphalting to Balance roads in A & B sector of Yelhanka New Town in Ward No. 04

Detailed Measurements

Measurement Recorded On: 14 | 10 | 2022

Item No:14

KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications.

Sl no	Description	No	L	B	D	Qty
	FOR BOTTOM PCC					
	LHS	1	16.70	1.30	0.15	3.26
		1	30.00	1.30	0.15	5.85
		1	21.45	1.30	0.15	4.18
	RHS	1	30.00	1.10	0.15	4.95
		1	24.00	1.10	0.15	0.66
				Total		**18.90**

C&Pe Krundeli

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

PMC

Contractor

Assistant Engineer
Project Division Yelahanka
14/10/2022

Asst. Executive Engineer
Project Division Yelahanka

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Name of Work : Package-5 (1) Improvements of Road Adjacent to Yelahanka Lake from Kenchenahalli to Chowdeshwari Temple in Ward No.02 (2) Improvements and Asphalting to New post office main road and cross roads in ward No. 01 (3) Improvements and Asphalting to Sugappa layout cross roads in ward No. 01 (4) Improvements and Asphalting to Shanimahathma swamy temple road and Surabhi layout 2nd main and cross roads in ward No. 01 (5) Asphalting to Balance roads in A & B sector of Yelhanka New Town in Ward No.

Detailed Measurements

Measurement Recorded On: 16/10/2022

Item No:16

KSRRB M2200-6. Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per disign (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification. MORTH Specification No.1600 & 2200

Description	Nos	Length	Total Length	Coeffi	Total
10 DIA AT 100 c/c	209	3.3	688.88	0.62	427.10
Dist - 8 DIA AT 150 C/C	22	16.70	367.40	0.39	143.29
10 DIA AT 100 c/c	375	3.3	1237.50	0.62	767.25
Dist - 8 DIA AT 150 C/C	22	30.00	660.00	0.39	257.40
10 DIA AT 100 c/c	268	3.3	884.81	0.62	548.58
Dist - 8 DIA AT 150 C/C	22	21.45	471.90	0.39	184.04
10 DIA AT 100 c/c	375	2.2	825.00	0.62	511.50
Dist - 8 DIA AT 150 C/C	15	30.00	440.00	0.39	171.60
10 DIA AT 100 c/c	50	2.2	110.00	0.62	68.20
Dist - 8 DIA AT 150 C/C	15	4.00	58.67	0.39	22.88
				KG	3101.84
				Tonne	3.10

Asst. Executive Engineer
Project Division
BBMP, Bangalore - 92

PMC

Contractor

Assistant Engineer
Project Division Yelahanka
16/10/2022

Asst. Executive Engineer
Project Division Yelahanka

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11

Name of Work : Package-5 (1) Improvements of Road Adjacent to Yelahanka Lake from Kenchenahalli to Chowdeshwari Temple in Ward No.02 (2) Improvements and Asphalting to New post office main road and cross roads in ward No. 01 (3) Improvements and Asphalting to Sugappa layout cross roads in ward No. 01 (4) Improvements and Asphalting to Shanimahathma swamy temple road and Surabhi layout 2nd main and cross roads in ward No. 01 (5) Asphalting to Balance roads in A & B sector of Yelhanka New Town in Ward No. 04

Detailed Measurements

Measurement Recorded On: 24/10/2022

Item No:17

KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2

Sl no	Description	No	L	B	D	Qty
	Walls					
	LHS	2	16.70	1.20		40.08
		2	30.00	1.20		72.00
		2	21.45	1.20		51.48
	RHS	2	30.00	0.65		39.00
		2	4.00	0.65		5.20
					Total	207.76

CRPC Kundapura

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

PMC

Contractor

Assistant Engineer
Project Division Yelahanka
24/10/2022

Asst. Executive Engineer
Project Division Yelahanka

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Name of Work : Package-5 (1) Improvements of Road Adjacent to Yelahanka Lake from Kenchenahalli to Chowdeshwari Temple in Ward No.02 (2) Improvements and Asphalting to New post office main road and cross roads in ward No. 01 (3) Improvements and Asphalting to Sugappa layout cross roads in ward No. 01 (4) Improvements and Asphalting to Shanimahathma swamy temple road and Surabhi layout 2nd main and cross roads in ward No. 01 (5) Asphalting to Balance roads in A & B sector of Yelhanka New Town in Ward No. 04

Detailed Measurements

Measurement Recorded On: 25/10/2022

Item No:15

"KSRRB M2100-15.2. Providing and laying Reinforcement Cement Concrete M20 with OPC @ 320 kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplasticizer @3lts confirming to IS9103-1999 Reaffirmed-2008 in Open Foundation complete as per Drawing and Technical Specifications including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. MORTH Specification No. 1500,1700 & 2100

Sl no	Description	No	L	B	D	Qty
	Bottom Concrete					
	LHS	1	16.70	1.20	0.15	3.01
		1	30.00	1.20	0.15	5.40
		1	21.45	1.20	0.15	3.86
	RHS	1	30.00	1.00	0.15	4.50
		1	4.00	1.00	0.15	0.60
	Wall concrete					
	LHS	2	16.70	1.20	0.15	6.01
		2	30.00	1.20	0.15	10.80
		2	21.45	1.20	0.15	7.72
	RHS	2	30.00	0.65	0.15	5.85
		2	4.00	0.65	0.15	0.78
					Total	**48.53**

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP Bangalore - 92

Core Tech Macadez Private Limited

PMC

Contractor

Assistant Engineer 25/10/2022
Project Division Yelahanka

Asst. Executive Engineer
Project Division Yelahanka

Scanned by TapScanner

Name of Work : Package-5 (1) Improvements of Road Adjacent to Yelahanka Lake from Kenchenahalli to Chowdeshwari Temple in Ward No.02 (2) Improvements and Asphalting to New post office main road and cross roads in ward No. 01 (3) Improvements and Asphalting to Sugappa layout cross roads in ward No. 01 (4) Improvements and Asphalting to Shanimahathma swamy temple road and Surabhi layout 2nd main and cross roads in ward No. 01 (5) Asphalting to Balance roads in A & B sector of Yelhanka New Town in Ward No. 04

Detailed Measurements

Measurement Recorded On: 24/01/2023

Item No:29

KSRRB M400- Wet Mix Macadam KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 ---- Including all lead lifts loading unloading transportation labour hire charges of machinery curing for concrete works cost and convene of all material and all other such incidental charges necessary for successful completion of works as per the detailed technical specification and direction of Engineer in charge of this work

Nos	Chainage	Length	Width	Depth	Qty
1	2	3	4	5	6
1	0.00	0.00	8.80 + 8.80 / 2.00	0.200	0.00
1	13.90	13.90	8.80 + 8.30 / 2.00	0.250	29.71
1	36.10	22.20	10.00 + 8.40 / 2.00	0.250	51.06
1	51.10	15.00	8.40 + 9.20 / 2.00	0.225	29.70
1	66.10	15.00	9.20 + 9.00 / 2.00	0.225	30.71
1	76.10	10.00	9.00 + 11.30 / 2.00	0.250	25.38
1	91.10	15.00	11.30 + 9.90 / 2.00	0.200	31.80
1	106.10	15.00	9.90 + 7.30 / 2.00	0.250	32.25
1	116.10	10.00	7.30 + 8.85 / 2.00	0.200	16.15
1	136.10	20.00	8.85 + 7.90 / 2.00	0.250	41.88
1	156.10	20.00	7.90 + 7.30 / 2.00	0.200	30.40
1	176.10	20.00	7.30 + 7.50 / 2.00	0.225	33.30
1	196.10	20.00	7.50 + 7.90 / 2.00	0.200	30.80

24/01/2023

Asst. Executive Engineer
Project Division
Yelahanka Zone

384.89

Scanned by TapScanner

Name of Work : Package-5 (1) Improvements of Road Adjacent to Yelahanka Lake from Kenchenahalli to Chowdeshwari Temple in Ward No.02 (2) Improvements and Asphalting to New post office main road and cross roads in ward No. 01 (3) Improvements and Asphalting to Sugappa layout cross roads in ward No. 01 (4) Improvements and Asphalting to Shanimahathma swamy temple road and Surabhi layout 2nd main and cross roads in ward No. 01 (5) Asphalting to Balance roads in A & B sector of Yelhanka New Town in Ward No. 04

Detailed Measurements

Measurement Recorded On: 24/01/2023

Item No:29

KSRRB M400- Wet Mix Macadam KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 ---- Including all lead lifts loading unloading transportation labour hire charges of machinery curing for concrete works cost and convene of all material and all other such incidental charges necessary for successful completion of works as per the detailed technical specification and direction of Engineer in charge of this work

Nos	Chainage	Length	Width			Depth	Qty
1	2	3	4			5	6
1	0.00	0.00	8.80	+	8.80	0.200	0.00
				2.00			
1	13.90	13.90	8.80	+	8.30	0.250	29.71
				2.00			
1	36.10	22.20	10.00	+	8.40	0.250	51.06
				2.00			
1	51.10	15.00	8.40	+	9.20	0.225	29.70
				2.00			
1	66.10	15.00	9.20	+	9.00	0.225	30.71
				2.00			
1	76.10	10.00	9.00	+	11.30	0.250	25.38
				2.00			
1	91.10	15.00	11.30	+	9.90	0.200	31.80
				2.00			
1	106.10	15.00	9.90	+	7.30	0.250	32.25
				2.00			
1	116.10	10.00	7.30	+	8.85	0.200	16.15
				2.00			
1	136.10	20.00	8.85	+	7.90	0.250	41.88
				2.00			
1	156.10	20.00	7.90	+	7.30	0.200	30.40
				2.00			
1	176.10	20.00	7.30	+	7.50	0.225	33.30
				2.00			
1	196.10	20.00	7.50	+	7.90	0.200	30.80
				2.00			

384.89

24/01/2023

Asst. Executive Engineer
Project Division
Yelahanka Zone

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Nos	Chainage	Length	Width			Depth	Qty
1	206.10	10.00	7.90	+	8.70	0.250	20.75
				2.00			
1	226.10	20.00	8.70	+	8.60	0.250	43.25
				2.00			
1	246.10	20.00	8.60	+	7.85	0.225	37.01
				2.00			
1	266.10	20.00	7.85	+	9.50	0.200	34.70
				2.00			
1	286.10	20.00	9.50	+	9.50	0.250	47.50
				2.00			
1	306.10	20.00	9.50	+	10.00	0.250	48.75
				2.00			
1	326.10	20.00	10.00	+	9.75	0.200	39.50
				2.00			
1	346.10	20.00	9.75	+	9.65	0.225	43.65
				2.00			
1	366.10	20.00	9.65	+	9.80	0.250	48.63
				2.00			
1	386.10	20.00	9.80	+	9.55	0.250	48.38
				2.00			
1	406.10	20.00	9.55	+	9.45	0.200	38.00
				2.00			
1	426.10	20.00	9.45	+	9.70	0.250	47.88
				2.00			
1	446.10	20.00	9.70	+	9.90	0.225	44.10
				2.00			
1	466.10	20.00	9.90	+	8.80	0.250	46.75
				2.00			
1	486.10	20.00	8.80	+	9.95	0.250	46.88
				2.00			
1	501.10	15.00	9.95	+	9.50	0.250	36.47
				2.00			
1	521.10	20.00	9.50	+	9.60	0.250	47.75
				2.00			
1	547.20	26.10	9.60	+	8.70	0.200	47.76
				2.00			
1	712.20	165.00	Gap				
1	732.20	20.00	8.40	+	9.10	0.200	35.00
				2.00			
1	752.20	20.00	9.10	+	8.20	0.225	38.93
				2.00			
1	772.20	20.00	8.20	+	8.35	0.250	41.38
				2.00			
1	787.20	15.00	8.35	+	8.70	0.225	28.77
				2.00			
1	802.20	15.00	8.70	+	9.85	0.200	27.83
				2.00			

24/01/2023

Asst. Executive Engineer

354.48

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Nos	Chainage	Length	Width			Depth	Qty
1	812.20	10.00	9.85	+	8.60	0.250	23.06
				2.00			
1	832.20	20.00	8.60	+	9.00	0.250	44.00
				2.00			
1	852.20	20.00	9.00	+	8.75	0.250	44.38
				2.00			
1	872.20	20.00	8.75	+	9.00	0.225	39.94
				2.00			
1	892.20	20.00	9.00	+	9.00	0.250	45.00
				2.00			
1	912.20	20.00	9.00	+	9.10	0.225	40.73
				2.00			
1	932.20	20.00	9.00	+	9.00	0.250	45.00
				2.00			
1	954.90	22.70	9.00	+	9.00	0.225	45.97
				2.00			
							1650.792

Cr 1324.485

Core Technologies Private Ltd MECADEZ

PMC

Contractor

Asst. Executive Engineer
Project Division Yelahanka
BBMP, Bangalore - 9

Assistant Engineer 24/01/2023
Project Division Yelahanka

Asst. Executive Engineer
Project Division Yelahanka

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Name of Work : Package-5 (1) Improvements of Road Adjacent to Yelahanka Lake from Kenchenahalli to Chowdeshwari Temple in Ward No.02 (2) Improvements and Asphalting to New post office main road and cross roads in ward No. 01 (3) Improvements and Asphalting to Sugappa layout cross roads in ward No. 01 (4) Improvements and Asphalting to Shanimahathma swamy temple road and Surabhi layout 2nd main and cross roads in ward No. 01 (5) Asphalting to Balance roads in A & B sector of Yelhanka New Town in Ward No. 04

Detailed Measurements

Measurement Recorded On: 30/01/2023

Item No:31

KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH Specification No. 502 ---- Including all lead lifts loading unloading transportation labour hire charges of machinery curing for concrete works cost and convene of all material and all other such incidental charges necessary for successful completion of works as per the detailed technical specification and direction of Engineer in charge of this work

Nos	Chainage	Length	Width	Depth	Qty
1	2	3	4	5	6
1	0.00	0.00	8.80 + 8.80 / 2.00		0.00
1	13.90	13.90	8.80 + 8.30 / 2.00		118.85
1	36.10	22.20	10.00 + 8.40 / 2.00		204.24
1	51.10	15.00	8.40 + 9.20 / 2.00		132.00
1	66.10	15.00	9.20 + 9.00 / 2.00		136.50
1	76.10	10.00	9.00 + 11.30 / 2.00		101.50
1	91.10	15.00	11.30 + 9.90 / 2.00		159.00
1	106.10	15.00	9.90 + 7.30 / 2.00		129.00
1	116.10	10.00	7.30 + 8.85 / 2.00		80.75
1	136.10	20.00	8.85 + 7.90 / 2.00		167.50
1	156.10	20.00	7.90 + 7.30 / 2.00		152.00

Cqtc Executive Engineer 30/01/23

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Mecadez Core Technologies Private Limited

1390.14

30/01/2023

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Nos	Chainage	Length	Width			Depth	Qty
1	176.10	20.00	7.30	+	7.50		148.00
				2.00			
1	196.10	20.00	7.50	+	7.90		154.00
				2.00			
1	206.10	10.00	7.90	+	8.70		83.00
				2.00			
1	226.10	20.00	8.70	+	8.60		173.00
				2.00			
1	246.10	20.00	8.60	+	7.85		164.50
				2.00			
1	266.10	20.00	7.85	+	9.50		173.50
				2.00			
1	286.10	20.00	9.50	+	9.50		190.00
				2.00			
1	306.10	20.00	9.50	+	10.00		195.00
				2.00			
1	326.10	20.00	10.00	+	9.75		197.50
				2.00			
1	346.10	20.00	9.75	+	9.65		194.00
				2.00			
1	366.10	20.00	9.65	+	9.80		194.50
				2.00			
1	386.10	20.00	9.80	+	9.55		193.50
				2.00			
1	406.10	20.00	9.55	+	9.45		190.00
				2.00			
1	426.10	20.00	9.45	+	9.70		191.50
				2.00			
1	446.10	20.00	9.70	+	9.90		196.00
				2.00			
1	466.10	20.00	9.90	+	8.80		187.00
				2.00			
1	486.10	20.00	8.80	+	9.95		187.50
				2.00			
1	501.10	15.00	9.95	+	9.50		145.88
				2.00			
1	521.10	20.00	9.50	+	9.60		191.00
				2.00			
1	547.20	26.10	9.60	+	8.70		238.82
				2.00			
1	712.20	165.00	Gap				
							4978.33

(F 1390.14 (12)

CRFC
Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Asst. Executive Engineer

30/01/2023

Mecadaz Core Technologies Pvt. Ltd.

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Nos	Chainage	Length	Width	Depth	Qty
1	732.20	20.00	8.40 + 9.10 / 2.00		175.00
1	752.20	20.00	9.10 + 8.20 / 2.00		173.00
1	772.20	20.00	8.20 + 8.35 / 2.00		165.50
1	787.20	15.00	8.35 + 8.70 / 2.00		127.88
1	802.20	15.00	8.70 + 9.85 / 2.00		139.13
1	812.20	10.00	9.85 + 8.60 / 2.00		92.25
1	832.20	20.00	8.60 + 9.00 / 2.00		176.00
1	852.20	20.00	9.00 + 8.75 / 2.00		177.50
1	872.20	20.00	8.75 + 9.00 / 2.00		177.50
1	892.20	20.00	9.00 + 9.00 / 2.00		180.00
1	912.20	20.00	9.00 + 9.10 / 2.00		181.00
1	932.20	20.00	9.00 + 9.00 / 2.00		180.00
1	954.90	22.70	9.00 + 9.00 / 2.00		204.30
					7118.575

Qty = 4978.33 18

C&Re Mandya 30/1/23

Asst. Executive Engineer Project Division Yelahanka BBMP, Bangalore - 92

Core Technologies Private Limited Mandya

PMC

Contractor

127.38

Assistant Engineer
Project Division Yelahanka

30/01/2023

Asst. Executive Engineer
Project Division Yelahanka

Scanned by TapScanner

Name of Work : Package-5 (1) Improvements of Road Adjacent to Yelahanka Lake from Kenchenahalli to Chowdeshwari Temple in Ward No.02 (2) Improvements and Asphalting to New post office main road and cross roads in ward No. 01 (3) Improvements and Asphalting to Sugappa layout cross roads in ward No. 01 (4) Improvements and Asphalting to Shanimahathma swamy temple road and Surabhi layout 2nd main and cross roads in ward No. 01 (5) Asphalting to Balance roads in A & B sector of Yelhanka New Town in Ward No. 04

Detailed Measurements

Measurement Recorded On: 30/01/2023

Item No:32

KSRRB M500-10. Providing and applying tack coat using 80/100 grade bitumen(VG10) in boiler fitted with spray set distributor at the rate of 0.25 kg per sqm on the existing prepared bituminous surface (primed surface) cleaned with mechanical broom. complete as per specifications. Clause 503 of MORTH V revision ---- Including all lead lifts loading unloading transportation labour hire charges of machinery curing for concrete works cost and convene of all material and all other such incidental charges necessary for successful completion of works as per the detailed technical specification and direction of Engineer in charge of this work

Nos	Chainage	Length	Width	Depth	Qty
1	2	3	4	5	6
1	0.00	0.00	8.80 + 8.80 / 2.00		0.00
1	13.90	13.90	8.80 + 8.30 / 2.00		118.85
1	36.10	22.20	10.00 + 8.40 / 2.00		204.24
1	51.10	15.00	8.40 + 9.20 / 2.00		132.00
1	66.10	15.00	9.20 + 9.00 / 2.00		136.50
1	76.10	10.00	9.00 + 11.30 / 2.00		101.50
1	91.10	15.00	11.30 + 9.90 / 2.00		159.00
1	106.10	15.00	9.90 + 7.30 / 2.00		129.00
1	116.10	10.00	7.30 + 8.85 / 2.00		80.75
1	136.10	20.00	8.85 + 7.90 / 2.00		167.50
1	156.10	20.00	7.90 + 7.30 / 2.00		152.00
1	176.10	20.00	7.30 + 7.50 / 2.00		148.00

1538.14

30/01/2023

C&R Foundry

Asst. Executive Engineer Project Division Yelahanka Zone BBMP, Bangalore - 92

Mecadez Core Technologies Private Limited

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Nos	Chainage	Length	Width	Depth	Qty
1	196.10	20.00	7.50 + 7.90 / 2.00		154.00
1	206.10	10.00	7.90 + 8.70 / 2.00		83.00
1	226.10	20.00	8.70 + 8.60 / 2.00		173.00
1	246.10	20.00	8.60 + 7.85 / 2.00		164.50
1	266.10	20.00	7.85 + 9.50 / 2.00		173.50
1	286.10	20.00	9.50 + 9.50 / 2.00		190.00
1	306.10	20.00	9.50 + 10.00 / 2.00		195.00
1	326.10	20.00	10.00 + 9.75 / 2.00		197.50
1	346.10	20.00	9.75 + 9.65 / 2.00		194.00
1	366.10	20.00	9.65 + 9.80 / 2.00		194.50
1	386.10	20.00	9.80 + 9.55 / 2.00		193.50
1	406.10	20.00	9.55 + 9.45 / 2.00		190.00
1	426.10	20.00	9.45 + 9.70 / 2.00		194.50
1	446.10	20.00	9.70 + 9.90 / 2.00		196.00
1	466.10	20.00	9.90 + 8.80 / 2.00		187.00
1	486.10	20.00	8.80 + 9.95 / 2.00		187.50
1	501.10	15.00	9.95 + 9.50 / 2.00		145.88
1	521.10	20.00	9.50 + 9.60 / 2.00		191.00
1	547.20	26.10	9.60 + 8.70 / 2.00		238.82
1	712.20	165.00	Gap		
1	732.20	20.00	8.40 + 9.10 / 2.00		175.00

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CRF

Executive Engineer
Projects Division
Yelahanka Zone
BBMP, Bangalore - 92

Asst

30/01/2023

5153.33

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Nos	Chainage	Length	Width	Depth	Qty
1	752.20	20.00	9.10 + 8.20 / 2.00		173.00
1	772.20	20.00	8.20 + 8.35 / 2.00		165.50
1	787.20	15.00	8.35 + 8.70 / 2.00		127.88
1	802.20	15.00	8.70 + 9.85 / 2.00		139.13
1	812.20	10.00	9.85 + 8.60 / 2.00		92.25
1	832.20	20.00	8.60 + 9.00 / 2.00		176.00
1	852.20	20.00	9.00 + 8.75 / 2.00		177.50
1	872.20	20.00	8.75 + 9.00 / 2.00		177.50
1	892.20	20.00	9.00 + 9.00 / 2.00		180.00
1	912.20	20.00	9.00 + 9.10 / 2.00		181.00
1	932.20	20.00	9.00 + 9.00 / 2.00		180.00
1	954.90	22.70	9.00 + 9.00 / 2.00		204.30
					7118.575

Asst. Executive Engineer
Project Division
Yelahanka
BBMP, Bangalore - 92

PMC

Contractor

Assistant Engineer
Project Division Yelahanka

30/01/2023

Asst. Executive Engineer
Project Division Yelahanka

Scanned by TapScanner

Name of Work : Package-5 (1) Improvements of Road Adjacent to Yelahanka Lake from Kenchenahalli to Chowdeshwari Temple in Ward No.02 (2) Improvements and Asphalting to New post office main road and cross roads in ward No. 01 (3) Improvements and Asphalting to Sugappa layout cross roads in ward No. 01 (4) Improvements and Asphalting to Shanimahathma swamy temple road and Surabhi layout 2nd main and cross roads in ward No. 01 (5) Asphalting to Balance roads in A & B sector of Yelhanka New Town in Ward No. 04

Detailed Measurements

Measurement Recorded On: 01/02/2023

Item No:33

KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications.. MORTH Specification No. 507 - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen

Nos	Chainage	Length	Width	Depth	Qty
1	2	3	4	5	6
1	0.00	0.00	8.80 + 8.80 / 2.00	0.05	0.00
1	13.90	13.90	8.80 + 8.30 / 2.00	0.05	5.94
1	36.10	22.20	10.00 + 8.40 / 2.00	0.05	10.21
1	51.10	15.00	8.40 + 9.20 / 2.00	0.05	6.60
1	66.10	15.00	9.20 + 9.00 / 2.00	0.05	6.83
1	76.10	10.00	9.00 + 11.30 / 2.00	0.05	5.08
1	91.10	15.00	11.30 + 9.90 / 2.00	0.05	7.95
1	106.10	15.00	9.90 + 7.30 / 2.00	0.05	6.45
1	116.10	10.00	7.30 + 8.85 / 2.00	0.05	4.04
1	136.10	20.00	8.85 + 7.90 / 2.00	0.05	8.38
1	156.10	20.00	7.90 + 7.30 / 2.00	0.05	7.60
1	176.10	20.00	7.30 + 7.50 / 2.00	0.05	7.40
1	196.10	20.00	7.50 + 7.90 / 2.00	0.05	7.70

01/02/2023

Asst. Executive Engineer
Project Division

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Nos	Chainage	Length	Width		Depth	Qty
1	206.10	10.00	7.90 + 8.70	2.00	0.05	4.15
1	226.10	20.00	8.70 + 8.60	2.00	0.05	8.65
1	246.10	20.00	8.60 + 7.85	2.00	0.05	8.23
1	266.10	20.00	7.85 + 9.50	2.00	0.05	8.68
1	286.10	20.00	9.50 + 9.50	2.00	0.05	9.50
1	306.10	20.00	9.50 + 10.00	2.00	0.05	9.75
1	326.10	20.00	10.00 + 9.75	2.00	0.05	9.88
1	346.10	20.00	9.75 + 9.65	2.00	0.05	9.70
1	366.10	20.00	9.65 + 9.80	2.00	0.05	9.73
1	386.10	20.00	9.80 + 9.55	2.00	0.05	9.68
1	406.10	20.00	9.55 + 9.45	2.00	0.05	9.50
1	426.10	20.00	9.45 + 9.70	2.00	0.05	9.58
1	446.10	20.00	9.70 + 9.90	2.00	0.05	9.80
1	466.10	20.00	9.90 + 8.80	2.00	0.05	9.35
1	486.10	20.00	8.80 + 9.95	2.00	0.05	9.38
1	501.10	15.00	9.95 + 9.50	2.00	0.05	7.29
1	521.10	20.00	9.50 + 9.60	2.00	0.05	9.55
1	547.20	26.10	9.60 + 8.70	2.00	0.05	11.94
1	712.20	165.00	Gap			
1	732.20	20.00	8.40 + 9.10	2.00	0.05	8.75
1	752.20	20.00	9.10 + 8.20	2.00	0.05	8.65
1	772.20	20.00	8.20 + 8.35	2.00	0.05	8.28

G = 84.623

Asst. Executive Eng
Project Division
Yelahanka Zone
BBMP, Bangalore

2714.59

16/02/2023

Scanned by TapScanner

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Nos	Chainage	Length	Width	Depth	Qty
1	787.20	15.00	8.35 + 8.70 / 2.00	0.05	6.39
1	802.20	15.00	8.70 + 9.85 / 2.00	0.05	6.96
1	812.20	10.00	9.85 + 8.60 / 2.00	0.05	4.61
1	832.20	20.00	8.60 + 9.00 / 2.00	0.05	8.80
1	852.20	20.00	9.00 + 8.75 / 2.00	0.05	8.88
1	872.20	20.00	8.75 + 9.00 / 2.00	0.05	8.88
1	892.20	20.00	9.00 + 9.00 / 2.00	0.05	9.00
1	912.20	20.00	9.00 + 9.10 / 2.00	0.05	9.05
1	932.20	20.00	9.00 + 9.00 / 2.00	0.05	9.00
1	954.90	22.70	9.00 + 9.00 / 2.00	0.05	10.22
					355.929

Core Technologies Private Limited Mercadez

PMC

Contractor

Cafe Technology

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 9

356.37

Assistant Enginder 01/02/2023

Project Division Yelahanka

Asst. Executive Engineer
Project Division Yelahanka

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(25)

Name of Work : Package-5 (1) Improvements of Road Adjacent to Yelahanka Lake from Kenchenahalli to Chowdeshwari Temple in Ward No.02 (2) Improvements and Asphalting to New post office main road and cross roads in ward No. 01 (3) Improvements and Asphalting to Sugappa layout cross roads in ward No. 01 (4) Improvements and Asphalting to Shanimahathma swamy temple road and Surabhi layout 2nd main and cross roads in ward No. 01 (5) Asphalting to Balance roads in A & B sector of Yelhanka New Town in Ward No. 04

Detailed Measurements

Measurement Recorded On: 06/02/2023

Item No:12

KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in ccordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications.

Description	Nos	L	W			D	Quantity
Concrete road							
995.90	1.00	0.00	9.30	+	9.30	0.30	0.00
			2.00				
1013.20	1.00	17.30	9.30	+	9.60	0.30	49.05
			2.00				
1023.20	1.00	10.00	10.20	+	10.70	0.30	31.35
			2.00				
1033.20	1.00	10.00	10.70	+	9.40	0.30	30.15
			2.00				
1043.20	1.00	10.00	9.40	+	7.55	0.30	25.43
			2.00				
1058.20	1.00	15.00	7.55	+	7.40	0.30	33.64
			2.00				
						Total	169.61

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore

172.40

Mecadez Core Technologies Private Limited
MECADEZ
PMC

Contractor

Assistant Engineer
Project Division Yelahanka
06/02/2023

Asst. Executive Engineer
Project Division Yelahanka

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26

Name of Work : Package-5 (1) Improvements of Road Adjacent to Yelahanka Lake from Kenchenahalli to Chowdeshwari Temple in Ward No.02 (2) Improvements and Asphalting to New post office main road and cross roads in ward No. 01 (3) Improvements and Asphalting to Sugappa layout cross roads in ward No. 01 (4) Improvements and Asphalting to Shanimahathma swamy temple road and Surabhi layout 2nd main and cross roads in ward No. 01 (5) Asphalting to Balance roads in A & B sector of Yelhanka New Town in Ward

Detailed Measurements

Measurement Recorded On: 07/02/2023

Item No:13								
KSRRB 300-8. Excavation in hard rock by chiselling and / or wedging where blasting is prohibited for formation of roads including stacking to uniform line and level including cost of all labour complete as per specifications. (with all lead and lift)								
Description		**Nos**	**L**	**W**			**D**	**Quantity**
	Concrete road							
	1075.70	1.00	17.50	7.40	+	12.00	0.75	127.31
				2.00				
							Total	**127.31**

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Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Contractor

Assistant Engineer 7/02/2023
Project Division Yelahanka

Asst. Executive Engineer
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Name of Work : Package-5 (1) Improvements of Road Adjacent to Yelahanka Lake from Kenchenahalli to Chowdeshwari Temple in Ward No.02 (2) Improvements and Asphalting to New post office main road and cross roads in ward No. 01 (3) Improvements and Asphalting to Sugappa layout cross roads in ward No. 01 (4) Improvements and Asphalting to Shanimahathma swamy temple road and Surabhi layout 2nd main and cross roads in ward No. 01 (5) Asphalting to Balance roads in A & B sector of Yelhanka New Town in Ward No. 04

Detailed Measurements

Measurement Recorded On: 09/02/2023

Item No:29

KSRRB M400- Wet Mix Macadam KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 ---- Including all lead lifts loading unloading transportation labour hire charges of machinery curing for concrete works cost and convene of all material and all other such incidental charges necessary for successful completion of works as per the detailed technical specification and direction of Engineer in charge of this work

Nos	Chainage	Length	Width	Depth	Qty
1	2	3	4	5	6
Concrete road					
1	995.90	0.00	9.30 + 9.30 / 2.00	0.25	0.00 2.33
1	1013.20	17.30	9.30 + 9.60 / 2.00	0.25	40.87
1	1023.20	10.00	10.20 + 10.70 / 2.00	0.25	26.13
1	1033.20	10.00	10.70 + 9.40 / 2.00	0.25	25.12
1	1043.20	10.00	9.40 + 7.55 / 2.00	0.25	21.19
1	1058.20	15.00	7.55 + 7.40 / 2.00	0.25	28.03
1	1075.70	17.50	7.40 + 12.00 / 2.00	0.25	42.44
Total					183.778

Asst. Executive Engineer Project Division Yelahanka BBMP, Bangalore

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Contractor

186.11

Assistant Engineer 09/2/2023
Project Division Yelahanka

Asst. Executive Engineer
Project Division Yelahanka

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Name of Work : Package-5 (1) Improvements of Road Adjacent to Yelahanka Lake from Kenchenahalli to Chowdeshwari Temple in Ward No.02 (2) Improvements and Asphalting to New post office main road and cross roads in ward No. 01 (3) Improvements and Asphalting to Sugappa layout cross roads in ward No. 01 (4) Improvements and Asphalting to Shanimahathma swamy temple road and Surabhi layout 2nd main and cross roads in ward No. 01 (5) Asphalting to Balance roads in A & B sector of Yelhanka New Town in Ward No. 04

Detailed Measurements

Measurement Recorded On: 24/02/2023

Item No:14

KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications.

Nos	Chainage	Length	Width			Depth	Quantity
1	2	3	4			5	8
Concrete road							
1	995.90	0.00	9.30	+	9.30	0.15	0.00
			2.00				
1	1013.20	17.30	9.30	+	9.60	0.15	24.52
			2.00				
1	1023.20	10.00	10.20	+	10.70	0.15	15.68
			2.00				
1	1033.20	10.00	10.70	+	9.40	0.15	15.07
			2.00				
1	1043.20	10.00	9.40	+	7.55	0.15	12.71
			2.00				
1	1058.20	15.00	7.55	+	7.40	0.15	16.82
			2.00				
1	1075.70	17.50	7.40	+	12.00	0.15	25.46
			2.00				
Total							110.267

Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore

PM

Contractor

Assistant Engineer 24/02/2023
Project Division Yelahanka

Asst. Executive Engineer
Project Division Yelahanka

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Name of Work : Package-5 (1) Improvements of Road Adjacent to Yelahanka Lake from Kenchenahalli to Chowdeshwari Temple in Ward No.02 (2) Improvements and Asphalting to New post office main road and cross roads in ward No. 01 (3) Improvements and Asphalting to Sugappa layout cross roads in ward No. 01 (4) Improvements and Asphalting to Shanimahathma swamy temple road and Surabhi layout 2nd main and cross roads in ward No. 01 (5) Asphalting to Balance roads in A & B sector of Yelhanka New Town in Ward No. 04

Detailed Measurements

Measurement Recorded On: 24/02/2023

Item No:16

KSRRB M2200-6. Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per disign (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification. MORTH Specification No.1600 & 2200

	Description	Chainage	Nos	Length	Total Length	Coeffi	Total
	Concrete road						
	10 DIA AT 200 c/c	1013.20	96	9.45	908.25	0.62	563.11
	Dist - 8 DIA AT 200 C/C		53	17.30	908.25	0.39	354.22
	10 DIA AT 200 c/c	1023.20	56	10.45	580.56	0.62	359.94
	Dist - 8 DIA AT 200 C/C		58	10.00	580.56	0.39	226.42
	10 DIA AT 200 c/c	1033.20	56	10.05	558.33	0.62	346.17
	Dist - 8 DIA AT 200 C/C		56	10.00	558.33	0.39	217.75
	10 DIA AT 200 c/c	1043.20	56	8.48	470.83	0.62	291.92
	Dist - 8 DIA AT 200 C/C		47	10.00	470.83	0.39	183.63
	10 DIA AT 200 c/c	1058.20	83	7.48	622.92	0.62	386.21
	Dist - 8 DIA AT 200 C/C		42	15.00	622.92	0.39	242.94
	10 DIA AT 200 c/c	1075.70	97	9.70	943.06	0.62	584.69
	Dist - 8 DIA AT 200 C/C		54	17.50	943.06	0.39	367.79
						KG	4124.78
						Tonne	4.12

PMC

Assistant Engineer
Project Division Yelahanka
24/2/2023

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore

Contractor

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